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(303-305) in accordance with certain criteria's; and

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achieving an adequate signal reception performance in said receiver (300).

a 5. The receiver as claimed in <sup>claim 1</sup> ~~any one of claims 1-4~~, wherein one (303) of said at least two signal receiver branches is essentially un-attenuated.

0 6. The receiver as claimed in <sup>claim 3</sup> ~~any one of claims 3-5~~, wherein  
said attenuation means (306,311) includes a resistor network.

10 7. The receiver as claimed in <sup>claim 3</sup> ~~any one of claims 3-6~~, wherein  
said at least one signal receiver branch (304,305) that  
comprises attenuation means (306,311) also includes amplifying  
means (605a-b).

8. The receiver as claimed in claim 7, wherein said amplifying means (605a-b) are arranged to amplify digital sampled signal bursts to compensate for the attenuation in said attenuation means (306,311).

a 9. The receiver as claimed in <sup>CLAIM 1</sup>~~any one of claims 1-8~~, wherein  
said at least two signal receiver branches (303,304,305)  
comprises A/D-conversion means (602a-d), demodulation means  
(601a-b) and digital filtering means (603a-b, 604a-d) to  
20 generate said digital samples.

a 10. The receiver as claimed in <sup>claim 1</sup> ~~any one of claims 1-9~~, wherein  
said means for evaluating said digital samples of said signal  
bursts includes means for storing (308) said digital samples.

11. The receiver as claimed in claim 10, wherein said means for  
25 selecting (308) is arranged to use the signal quality of said  
stored sampled signal bursts (801) to select said sampled signal  
burst for further processing in said receiver.

12. The receiver as claimed in claim 10, wherein said means for selecting (308) is arranged to compare the signal strength of  
30 said stored digital samples with a set of pre-defined threshold

levels (208) to select said sampled signal burst for further processing in said receiver.

a 13. The receiver as claimed in <sup>claim 1</sup> ~~one of claims 1-12~~, wherein said means for selecting (308) is arranged to select sampled signal bursts from said at least two signal receiver branches (304-305) by evaluating a pre-determined number of said digital samples of said sampled signal bursts from said at least two signal receiver branches.

a 14. The receiver as claimed in ~~one of claims 1-10~~, wherein said  
10 means for selecting (308) is arranged to select sampled signal  
bursts from a first one of said at least two signal receiver  
branches (304-305) as long as said sampled signal bursts have a  
signal strength within a pre-determined signal strength  
interval or a signal quality within a pre-determined signal  
15 quality interval.

15. A transceiver, characterized in that said  
a transceiver comprises at least one receiver as claimed in <sup>claim 1</sup> ~~one~~  
~~of claims 1-14.~~

16. A base station, c h a r a c t e r i s e d in that said base  
20 station comprises at least one transceiver as claimed in claim  
15.

17. A radio unit, characterized in that said radio unit comprises at least one receiver as claimed in <sup>claim 1</sup> ~~one of claims 1-14~~.

25 18 A method in a communication system for receiving an analogue signal in a receiver, where said analogue signal includes signal bursts that are varying within a first signal range (201), and where said receiver (300) comprises at least two signal receiver branches (303,304,305) for receiving said analogue signal,

30 c h a r a c t e r i s e d in that said method comprises the following steps:

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- evaluating (908-910) said digital sampled signal bursts from said at least two signal receiver branches (303,304,305) in accordance with certain criteria's; and

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- transforming (904-906) said, attenuated and un-attenuated analogue signals to filtered digital sampled signal bursts by I/Q-demodulation, A/D-conversion and digital channel filtering;

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- storing (908) said amplified digital sampled signal bursts and said filtered digital sampled signal bursts corresponding to said un-attenuated analogue signal in a memory in said receiver as said digital sampled signal bursts.

22. The method as claimed in claim 20, wherein the signal strength of said stored digital sampled signal bursts are compared with a set of pre-defined threshold levels (208) to select said sampled signal burst for further processing in said receiver.

a 24. The method as claimed in <sup>claim 18</sup> ~~any one of claims 18-23~~, wherein each one of the digital samples is an I/Q-pair and that said step of evaluating (908-910) comprises the step of calculating (909) the signal amplitude of said I/Q-pairs before said step of selecting (910).